

Table 1-1
PREVIOUS FIELD INVESTIGATIONS
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

Sampling Year	Report Title (Year, Author) (refer to Notes 4 and 5)	Data Presented in RI	Conclusions Incorporated into RI	Background on Sampling Discussed In RI Section:
1997	"Final Report Ecological Evaluation" (USEPA, 1999)	X		Section 2.4.1
1997	"Soil and Sediment Sampling and Analysis Summary Report" (Weston, 1998)	X		Section 2.4.2
1997	"OU1 Soil Remedial Investigation Data" (USEPA, 1997)	X		Section 2.1 and Note 1
1999	"Preliminary Assessment and Site Investigation: Spring Lake PCB Contamination" (NJDEP, 1999)	X		Section 2.4.3
1999	"Floodplain Soil/Sediment Sampling and Analysis Summary Report" (Weston, 2000)	X		Section 2.4.4
2000	"Data Evaluation Report" (Foster Wheeler, 2001)	X Note 2		Note 2
2000	"OU1 Soil Remedial Investigation Data" (Foster Wheeler, 2001)	X		Section 2.1 and Note 1
2002, 2003	"Limited Site Investigation Report Veterans Memorial Park" (PMK, 2002a), "Site Investigation Report" (PMK, 2002b), and "Interim Remedial Action Report" (PMK, 2004)	X		Section 2.4.4
2000, 2007, 2009	"Draft Site Characterization Summary Report: Woodbrook Road Dump Site" (TRC, 2007 and 2009 Addendum)	X		Section 2.5.1
2006	"Preliminary Conceptual Site Model for OU4" (Tetra Tech, Inc., 2006)	Note 3	X	Note 3
2007/08	"Sediment/Soil Transects Sampling Report" (USEPA, 2008a)	X		Section 2.4.2
2008	"Test Pit Observations at the Cornell Dubilier Site" (USEPA, 2008b)	Note 4	X	Note 4
2008, 2009	"Final Report: Cornell-Dubilier Bound Brook Reassessment" (USEPA, 2010)	X		Section 2.4.1
2008	"OU1 Soil Remedial Investigation Data" (MPI, 2008)	X		Section 2.1 and Note 1
2010	"OU2 Perimeter Soil Laboratory Data Package" (USACE, 2010)	X		Section 3.1.5
2010	"OU3 Groundwater Remedial Investigation Data" (LBG/AUS, 2012)	X		Section 7
2011	"OU1 Soil Remedial Investigation Data" (LBG, 2011)	X		Section 2.1 and Note 1

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Note 1: Only data from OU1 residential properties that were not remediated or are not scheduled to be remediated as of May 2013 are included in the OU4 RI. Right-of-way 2011 sampling near Kenneth Avenue and historical right-of-way 2000 sampling are also presented in the OU4 RI.

Note 2: Foster Wheeler (2001) data are incorporated in Appendix D and Figure 5-15 statistics, but are not discussed explicitly.

Note 3: Tetra Tech, Inc. (2006) summarized existing data; no new data were collected.

Note 4: USEPA (2008) contained test pit data; however, these locations were excavated as part of the OU2 remedial action.

Note 5: The following documents were reviewed but not directly referenced in the OU4 RI: "Lake Nelson Sediment Laboratory Data Package" (United States Testing Company, Inc., 1990); "Green Brook Flood Control Project" (USACE, 1997); "Conrail Sampling - Laboratory Data Packages" (USEPA, 2008); and "2009 Surface Water Laboratory Data Package" (Lockheed Martin, 2009).

Note 6: Former industrial sites located upstream or outside the OU4 Study Area (such as Tingley Rubber Corporation, Chevron Chemical Company/Ortho Division, and Gulton Industries, Inc./Hybrid Printhead) are discussed qualitatively in the OU4 RI. Data are not included in the OU4 RI.

**Table 2-1
PRECIPITATION FREQUENCY ESTIMATES WITH 90% CONFIDENCE INTERVALS
Cornell-Dubilier Electronics Superfund Site
Feasibility Study**

Duration	Average Recurrence Interval (Years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.335 (0.305-0.368)	0.399 (0.364-0.438)	0.472 (0.429-0.519)	0.525 (0.477-0.577)	0.59 (0.533-0.647)	0.635 (0.571-0.696)	0.68 (0.608-0.746)	0.72 (0.641-0.790)	0.77 (0.679-0.847)	0.807 (0.707-0.890)
10-min	0.534 (0.488-0.588)	0.638 (0.582-0.701)	0.756 (0.687-0.831)	0.839 (0.762-0.923)	0.94 (0.849-1.03)	1.01 (0.909-1.11)	1.08 (0.966-1.19)	1.14 (1.01-1.25)	1.22 (1.07-1.34)	1.27 (1.11-1.40)
15-min	0.668 (0.610-0.735)	0.801 (0.731-0.881)	0.956 (0.869-1.05)	1.06 (0.964-1.17)	1.19 (1.08-1.31)	1.28 (1.15-1.40)	1.36 (1.22-1.50)	1.44 (1.28-1.58)	1.53 (1.35-1.69)	1.59 (1.40-1.76)
30-min	0.916 (0.836-1.01)	1.11 (1.01-1.22)	1.36 (1.24-1.49)	1.54 (1.40-1.69)	1.76 (1.59-1.94)	1.93 (1.73-2.11)	2.09 (1.87-2.29)	2.24 (1.99-2.46)	2.44 (2.15-2.68)	2.58 (2.26-2.85)
60-min	1.14 (1.04-1.26)	1.39 (1.27-1.53)	1.74 (1.58-1.92)	2 (1.82-2.20)	2.35 (2.12-2.58)	2.61 (2.35-2.87)	2.88 (2.58-3.16)	3.14 (2.80-3.45)	3.5 (3.08-3.85)	3.77 (3.30-4.16)
2-hr	1.4 (1.26-1.55)	1.7 (1.54-1.89)	2.16 (1.95-2.39)	2.51 (2.27-2.79)	3.01 (2.69-3.32)	3.41 (3.04-3.77)	3.83 (3.39-4.23)	4.26 (3.74-4.71)	4.87 (4.22-5.39)	5.35 (4.61-5.94)
3-hr	1.56 (1.41-1.73)	1.9 (1.72-2.11)	2.41 (2.18-2.68)	2.81 (2.54-3.12)	3.36 (3.02-3.73)	3.82 (3.40-4.22)	4.28 (3.79-4.74)	4.77 (4.19-5.29)	5.45 (4.73-6.05)	5.99 (5.16-6.67)
6-hr	2 (1.81-2.23)	2.43 (2.20-2.70)	3.08 (2.78-3.41)	3.61 (3.25-3.99)	4.37 (3.89-4.81)	5 (4.43-5.50)	5.68 (4.98-6.24)	6.41 (5.57-7.04)	7.46 (6.39-8.21)	8.33 (7.05-9.17)
12-hr	2.47 (2.24-2.75)	3 (2.71-3.33)	3.82 (3.45-4.24)	4.51 (4.06-5.00)	5.54 (4.93-6.11)	6.42 (5.67-7.06)	7.38 (6.45-8.11)	8.45 (7.29-9.29)	10 (8.49-11.0)	11.4 (9.49-12.5)
24-hr	2.79 (2.58-3.04)	3.38 (3.13-3.68)	4.34 (4.01-4.72)	5.16 (4.74-5.61)	6.39 (5.84-6.93)	7.46 (6.76-8.09)	8.65 (7.76-9.38)	9.97 (8.85-10.8)	12 (10.4-13.0)	13.7 (11.8-15.0)

Notes:

Data source: NOAA Atlas 14 Volume 2 Version 3.0

Precipitation frequency estimates in this table are based on frequency analysis of partial duration series. Please refer to NOAA Atlas 14 document for more information.

Bold numbers are precipitation frequency estimates in inches for a given duration and average recurrence interval. Numbers in parenthesis are precipitation frequency estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation estimates and may be higher than currently valid probable maximum precipitation values.

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**Table 3-1
SEDIMENT ANALYTICAL SUMMARY - REACH 1
Cornell-Dubilier Electronics Superfund Site
Feasibility Study**

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
<i>Volatile Organic Chemicals</i>					mg/kg, dry weight		
67-64-1	Acetone	mg/kg	26 / 35	0.010 - 3.1	0.15	3.1	--
75-15-0	Carbon disulfide	mg/kg	12 / 37	0.00059 - 0.017	0.0031	0.017	--
108-90-7	Chlorobenzene	mg/kg	2 / 37	0.0037 - 0.0087	0.0062	0.0087	--
106-46-7	1,4-Dichlorobenzene	mg/kg	1 / 37	-- - 0.0030	--	0.0030	--
75-34-3	1,1-Dichloroethane	mg/kg	1 / 37	-- - 0.017	--	0.017	--
156-59-2	cis-1,2-Dichloroethane	mg/kg	1 / 37	-- - 0.039	--	0.039	--
78-93-3	Methyl ethyl ketone	mg/kg	17 / 35	0.0039 - 0.088	0.018	0.088	--
75-09-2	Methylene chloride	mg/kg	5 / 37	0.0016 - 0.0071	0.0047	0.0071	--
1634-04-4	Methyl tert-butyl ether	mg/kg	1 / 37	-- - 0.010	--	0.010	--
108-88-3	Toluene	mg/kg	8 / 37	0.0018 - 0.090	0.030	0.090	--
79-01-6	Trichloroethene	mg/kg	2 / 37	0.00068 - 0.0019	0.0013	0.0019	--
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	8 / 37	0.0022 - 0.012	0.0059	0.012	--
<i>Semi-Volatile Organic Chemicals</i>					mg/kg, dry weight		
83-32-9	Acenaphthene	mg/kg	6 / 45	0.0076 - 0.053	0.033	0.053	--
208-96-8	Acenaphthylene	mg/kg	14 / 45	0.0014 - 0.10	0.024	0.10	--
98-86-2	Acetophenone	mg/kg	1 / 43	-- - 0.057	--	0.057	--
120-12-7	Anthracene	mg/kg	23 / 45	0.017 - 0.16	0.11	0.16	--
92-87-5	Benzidine	mg/kg	2 / 10	9.7 - 10	9.9	10	--
56-55-3	Benzo(a)anthracene	mg/kg	37 / 45	0.029 - 3.9	1.1	3.9	--
50-32-8	Benzo(a)pyrene	mg/kg	39 / 45	0.016 - 5.8	1.4	5.8	--
205-99-2	Benzo(b)fluoranthene	mg/kg	40 / 45	0.020 - 5.4	1.5	5.4	--
191-24-2	Benzo(g,h,i)perylene	mg/kg	36 / 45	0.026 - 3.5	0.92	3.5	--
207-08-9	Benzo(k)fluoranthene	mg/kg	32 / 45	0.032 - 5.2	1.3	5.2	--
117-81-7	bis(2-Ethylhexyl) phthalate	mg/kg	18 / 45	0.13 - 2.5	1	2.5	--
85-68-7	Butyl benzyl phthalate	mg/kg	2 / 44	0.087 - 0.095	0.091	0.095	--
86-74-8	Carbazole	mg/kg	3 / 41	0.055 - 0.069	0.063	0.069	--
218-01-9	Chrysene	mg/kg	40 / 45	0.024 - 4.9	1.3	4.9	--
53-70-3	Dibenzo(a,h)anthracene	mg/kg	23 / 45	0.027 - 1.3	0.37	1.3	--
206-44-0	Fluoranthene	mg/kg	41 / 45	0.033 - 9.3	2.4	9.3	--
86-73-7	Fluorene	mg/kg	6 / 45	0.0095 - 0.070	0.046	0.070	--
193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	35 / 45	0.034 - 3.2	0.86	3.2	--
99-87-6	p-Isopropyltoluene	mg/kg	1 / 4	-- - 0.010	--	0.010	--
15831-10-4	m,p-Cresol	mg/kg	1 / 42	-- - 0.084	--	0.084	--
91-57-6	2-Methylnaphthalene	mg/kg	5 / 45	0.0026 - 0.0037	0.0034	0.0037	--
91-20-3	Naphthalene	mg/kg	3 / 45	0.0027 - 0.0040	0.0032	0.0040	--
85-01-8	Phenanthrene	mg/kg	36 / 45	0.019 - 4.1	1.1	4.1	--
129-00-0	Pyrene	mg/kg	41 / 45	0.030 - 8.2	2.2	8.2	--
LMW PAHs	LMW PAHs ¹	mg/kg	36 / 45	0.019 - 4.1	1.2	4.1	--
HMW PAHs	HMW PAHs ²	mg/kg	41 / 45	0.12 - 51	13	51	--
<i>Pesticides</i>					mg/kg, dry weight		
319-84-6	alpha-BHC	mg/kg	2 / 56	0.00060 - 0.00087	0.00074	0.00087	--
319-85-7	beta-BHC	mg/kg	3 / 56	0.0025 - 0.016	0.0076	0.016	--
319-86-8	delta-BHC	mg/kg	2 / 56	0.017 - 0.037	0.027	0.037	--
5103-71-9	alpha-Chlordane	mg/kg	33 / 52	0.0018 - 0.17	0.046	0.17	--
5103-74-2	gamma-Chlordane	mg/kg	35 / 52	0.0020 - 0.13	0.041	0.13	--
60-57-1	Dieldrin	mg/kg	6 / 56	0.0018 - 0.027	0.0093	0.027	--
72-54-8	4,4'-DDD	mg/kg	13 / 56	0.0038 - 0.091	0.025	0.091	--
72-55-9	4,4'-DDE	mg/kg	7 / 56	0.0032 - 0.048	0.014	0.048	--
50-29-3	4,4'-DDT	mg/kg	6 / 53	0.0045 - 0.16	0.038	0.16	--
	Total DDx ³	mg/kg	16 / 56	0.0057 - 0.30	0.063	0.30	--
33213-65-9	beta-Endosulfan	mg/kg	3 / 56	0.0015 - 0.0027	0.0020	0.0027	--
1031-07-8	Endosulfan sulfate	mg/kg	1 / 56	-- - 0.0024	--	0.0024	--
7421-93-4	Endrin aldehyde	mg/kg	1 / 55	-- - 0.0017	--	0.0017	--
1024-57-3	Heptachlor epoxide	mg/kg	2 / 56	0.00085 - 0.023	0.012	0.023	--
72-43-5	Methoxychlor	mg/kg	2 / 56	0.0045 - 0.0091	0.0068	0.0091	--
<i>Polychlorinated Biphenyls (PCB)</i>					mg/kg, dry weight		
11097-69-1	Aroclor 1254	mg/kg	8 / 64	0.057 - 0.46	0.13	0.46	--
11096-82-5	Aroclor 1260	mg/kg	5 / 64	0.032 - 0.36	0.21	0.36	--
	Total PCBs ⁴	mg/kg	13 / 64	0.057 - 0.46	0.14	0.46	0

**Table 3-1
SEDIMENT ANALYTICAL SUMMARY - REACH 1
Cornell-Dubilier Electronics Superfund Site
Feasibility Study**

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
<i>Metals</i>					mg/kg, dry weight	mg/kg, dry weight	
7429-90-5	Aluminum	mg/kg	45 / 45	3,520 - 22,200	7,926	22,200	--
7440-36-0	Antimony	mg/kg	2 / 45	1.3 - 1.5	1.4	1.5	--
7440-38-2	Arsenic	mg/kg	45 / 45	0.41 - 8.7	2.8	8.7	--
7440-39-3	Barium	mg/kg	45 / 45	32 - 498	112	498	--
7440-41-7	Beryllium	mg/kg	3 / 45	0.68 - 1.3	0.89	1.3	--
7440-43-9	Cadmium	mg/kg	44 / 45	0.15 - 70	5.7	70	--
7440-70-2	Calcium	mg/kg	45 / 45	760 - 6,470	3,530	6,470	--
7440-47-3	Chromium	mg/kg	45 / 45	6.1 - 73	22	73	--
7440-48-4	Cobalt	mg/kg	25 / 45	3.1 - 19	6.5	19	--
7440-50-8	Copper	mg/kg	45 / 45	3.9 - 179	42	179	--
7439-89-6	Iron	mg/kg	45 / 45	4,530 - 28,500	13,620	28,500	--
7439-92-1	Lead	mg/kg	45 / 45	3.1 - 769	129	769	--
7439-95-4	Magnesium	mg/kg	45 / 45	853 - 5,950	3,016	5,950	--
7439-96-5	Manganese	mg/kg	45 / 45	39 - 1,125	185	1,125	--
7439-97-6	Mercury	mg/kg	28 / 45	0.047 - 0.56	0.23	0.56	--
7440-02-0	Nickel	mg/kg	45 / 45	5.2 - 119	19	119	--
7440-09-7	Potassium	mg/kg	39 / 45	370 - 2,680	1,016	2,680	--
7782-49-2	Selenium	mg/kg	2 / 45	1.7 - 1.8	1.8	1.8	--
7440-22-4	Silver	mg/kg	22 / 45	0.76 - 31	4.0	31	--
7440-23-5	Sodium	mg/kg	8 / 45	74 - 415	206	415	--
7440-28-0	Thallium	mg/kg	28 / 45	0.028 - 0.16	0.077	0.16	--
7440-62-2	Vanadium	mg/kg	45 / 45	6.0 - 54	23	54	--
7440-66-6	Zinc	mg/kg	45 / 45	19 - 542	157	542	--
<i>Other</i>					mg/kg, dry weight	mg/kg, dry weight	
57-12-5	Cyanide	mg/kg	2 / 13	0.19 - 1.3	0.75	1.3	--

Notes:

¹ LMW PAHs is the sum of detected Naphtalene, Acenaphthene, Acenaphthylene, Anthracene, Fluorene and Phenanthrene concentrations within a given sample.

² HMW PAHs is the sum of detected Benz[a]anthracene, Chrysene, Fluoranthene, Pyrene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthenes, Dibenz[ah]anthracene, Benzo[ghi]perylene and Indeno[1,2,3-cd]pyrene concentrations within a given sample.

³ Total DDX is the sum of detected 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT concentrations within a given sample.

⁴ Total PCB is the sum of detected Aroclor 1242, Aroclor 1254 and Aroclor 1260 concentrations within a given sample.

Data sources are : 1998 Weston, 1999 EPA, 1999 NJDEP, 2000 Weston, 2001 Foster Wheeler, 2007/2009 TRC, 2007-2008 USEPA, 2011 OU4 Remedial Investigation.

Analytical summary tables based on Risk Assessment exposure units. Exposure unit boundaries may differ from Feasibility Study Reach boundaries by up to 0.2 miles. The data presented in this table summarizes analytical results of samples collected (1) between RM8.3 and RM6.8 and (2) from Cedar Brook, between the Spring Lake spillway and the confluence with Bound Brook.

Table 3-2
SOIL ANALYTICAL SUMMARY - REACH 1
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
<i>Volatile Organic Chemicals</i>					mg/kg, dry weight	mg/kg, dry weight	
78-93-3	Methyl ethyl ketone	mg/kg	1 / 2	-- - 0.0048	--	0.0048	--
<i>Semi-Volatile Organic Chemicals</i>							
83-32-9	Acenaphthene	mg/kg	6 / 6	0.0014 - 0.10	0.027	0.10	--
208-96-8	Acenaphthylene	mg/kg	5 / 6	0.0018 - 0.017	0.0073	0.017	--
98-86-2	Acetophenone	mg/kg	2 / 6	0.0076 - 0.0080	0.0078	0.0080	--
120-12-7	Anthracene	mg/kg	6 / 6	0.0026 - 0.43	0.098	0.43	--
100-52-7	Benzaldehyde	mg/kg	2 / 6	0.0088 - 0.014	0.011	0.014	--
56-55-3	Benzo(a)anthracene	mg/kg	6 / 6	0.027 - 2.0	0.55	2.0	--
50-32-8	Benzo(a)pyrene	mg/kg	5 / 6	0.13 - 1.9	0.66	1.9	--
205-99-2	Benzo(b)fluoranthene	mg/kg	6 / 6	0.060 - 2.3	0.69	2.3	--
191-24-2	Benzo(g,h,i)perylene	mg/kg	5 / 6	0.097 - 1.0	0.42	1.0	--
207-08-9	Benzo(k)fluoranthene	mg/kg	5 / 6	0.076 - 0.90	0.37	0.90	--
85-68-7	Butyl benzyl phthalate	mg/kg	4 / 6	0.041 - 0.16	0.081	0.16	--
92-52-4	Biphenyl	mg/kg	1 / 6	-- - 0.0038	--	0.0038	--
117-81-7	bis(2-Ethylhexyl) phthalate	mg/kg	4 / 6	0.16 - 6.1	1.7	6.1	--
86-74-8	Carbazole	mg/kg	2 / 6	0.0053 - 0.039	0.022	0.039	--
218-01-9	Chrysene	mg/kg	6 / 6	0.056 - 1.9	0.59	1.9	--
53-70-3	Dibenzo(a,h)anthracene	mg/kg	5 / 6	0.035 - 0.30	0.13	0.30	--
132-64-9	Dibenzofuran	mg/kg	1 / 6	-- - 0.019	--	0.019	--
117-84-0	di-n-Octyl phthalate	mg/kg	2 / 6	0.055 - 0.16	0.11	0.16	--
206-44-0	Fluoranthene	mg/kg	6 / 6	0.024 - 3.5	0.85	3.5	--
86-73-7	Fluorene	mg/kg	6 / 6	0.0015 - 0.14	0.034	0.14	--
193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	6 / 6	0.041 - 1.4	0.43	1.4	--
91-57-6	2-Methylnaphthalene	mg/kg	6 / 6	0.0026 - 0.020	0.010	0.020	--
91-20-3	Naphthalene	mg/kg	3 / 6	0.0058 - 0.015	0.011	0.015	--
85-01-8	Phenanthrene	mg/kg	6 / 6	0.026 - 2.0	0.468	2.0	--
129-00-0	Pyrene	mg/kg	5 / 6	0.19 - 5.4	1.5	5.4	--
LMW PAHs	LMW PAHs ¹	mg/kg	6 / 6	0.032 - 2.7	0.64	2.7	--
HMW PAHs	HMW PAHs ²	mg/kg	6 / 6	0.21 - 21	5.7	21	--
<i>Pesticides</i>							
309-00-2	Aldrin	mg/kg	1 / 2	-- - 0.0037	--	0.0037	--
5103-71-9	alpha-Chlordane	mg/kg	2 / 2	0.0039 - 0.0052	0.0046	0.0052	--
5103-74-2	gamma-Chlordane	mg/kg	1 / 1	-- - 0.0041	--	0.0041	--
60-57-1	Dieldrin	mg/kg	1 / 1	-- - 0.016	--	0.016	--
72-55-9	4,4'-DDE	mg/kg	1 / 1	-- - 0.018	--	0.018	--
50-29-3	4,4'-DDT	mg/kg	2 / 2	0.037 - 0.043	0.040	0.043	--
	Total DDX ³	mg/kg	2 / 2	0.037 - 0.061	0.049	0.061	--
33213-65-9	beta-Endosulfan	mg/kg	1 / 1	-- - 0.0066	--	0.0066	--
53494-70-5	Endrin ketone	mg/kg	1 / 2	-- - 0.0040	--	0.0040	--
1024-57-3	Heptachlor epoxide	mg/kg	1 / 1	-- - 0.0043	--	0.0043	--
<i>Polychlorinated Biphenyls (PCB)</i>							
11097-69-1	Aroclor 1254	mg/kg	6 / 6	0.10 - 62	19	62	--
11096-82-5	Aroclor 1260	mg/kg	4 / 6	0.025 - 0.14	0.071	0.14	--
	Total PCBs ⁴	mg/kg	6 / 6	0.13 - 62	19	62	3.0
<i>Metals</i>							
7429-90-5	Aluminum	mg/kg	6 / 6	8,040 - 16,900	13,273	16,900	--
7440-38-2	Arsenic	mg/kg	6 / 6	1.3 - 3.0	2.0	3.0	--
7440-39-3	Barium	mg/kg	6 / 6	76 - 187	116	187	--
7440-41-7	Beryllium	mg/kg	4 / 6	0.44 - 0.84	0.610	0.84	--
7440-43-9	Cadmium	mg/kg	3 / 6	1.0 - 9.4	4.8	9.4	--
7440-70-2	Calcium	mg/kg	6 / 6	812 - 6,420	3,020	6,420	--
7440-47-3	Chromium	mg/kg	6 / 6	13 - 20	15	20	--
7440-48-4	Cobalt	mg/kg	6 / 6	2.8 - 7.4	5.8	7.4	--
7440-50-8	Copper	mg/kg	6 / 6	4.7 - 36	21	36	--
7439-89-6	Iron	mg/kg	6 / 6	16,500 - 28,600	20,583	28,600	--
7439-92-1	Lead	mg/kg	6 / 6	32 - 137	72	137	--
7439-95-4	Magnesium	mg/kg	6 / 6	2,420 - 6,450	4,010	6,450	--
7439-96-5	Manganese	mg/kg	6 / 6	110 - 798	401	798	--
7439-97-6	Mercury	mg/kg	6 / 6	0.048 - 0.19	0.112	0.19	--
7440-02-0	Nickel	mg/kg	6 / 6	7.0 - 20	15	20	--
7440-09-7	Potassium	mg/kg	6 / 6	741 - 2,100	1,247	2,100	--
7440-22-4	Silver	mg/kg	4 / 6	1.3 - 2.8	1.8	2.8	--
7440-23-5	Sodium	mg/kg	3 / 6	169 - 245	213	245	--
7440-62-2	Vanadium	mg/kg	6 / 6	13 - 24	19	24	--
7440-66-6	Zinc	mg/kg	6 / 6	23 - 148	80	148	--
<i>Other</i>							
57-12-5	Cyanide	mg/kg	4 / 6	0.21 - 6.1	2.0	6.1	--

Notes:

¹ LMW PAHs is the sum of detected Naphtalene, Acenaphthene, Acenaphthylene, Anthracene, Fluorene and Phenanthrene concentrations within a given sample.

² HMW PAHs is the sum of detected Benz[a]anthracene, Chrysene, Fluoranthene, Pyrene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthenes, Dibenz[ah]anthracene, Benzo[ghi]perylene and Indeno[1,2,3-cd]pyrene concentrations within a given sample.

³ Total DDX is the sum of detected 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT concentrations within a given sample.

⁴ Total PCB is the sum of detected Aroclor 1242, Aroclor 1254 and Aroclor 1260 concentrations within a given sample.

Data sources are : 1998 Weston, 1999 EPA, 1999 NJDEP, 2000 Weston, 2001 Foster Wheeler, 2007/2009 TRC, 2007-2008 USEPA, 2011 OU4 Remedial Investigation

Analytical summary tables based on Risk Assessment exposure units. Exposure unit boundaries may differ from Feasibility Study Reach boundaries by up to 0.2 miles. The data presented in this table summarizes analytical results of samples collected (1) between RM8.3 and RM6.8 and (2) from Cedar Brook, between the Spring Lake spillway and the confluence with Bound Brook.

Table 3-3
SEDIMENT ANALYTICAL SUMMARY - REACH 2
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
<i>Volatile Organic Chemicals</i>					mg/kg, dry weight		
67-64-1	Acetone	mg/kg	24 / 54	0.0043 - 7.7	1.2	7.7	--
75-15-0	Carbon disulfide	mg/kg	21 / 54	0.00077 - 0.030	0.0032	0.030	--
108-90-7	Chlorobenzene	mg/kg	4 / 56	0.0061 - 0.030	0.015	0.030	--
75-00-3	Chloroethane	mg/kg	1 / 54	-- - 0.030	--	0.030	--
74-87-3	Chloromethane	mg/kg	2 / 56	0.070 - 0.13	0.10	0.13	--
106-46-7	1,4-Dichlorobenzene	mg/kg	4 / 54	0.018 - 0.053	0.041	0.053	--
75-34-3	1,1-Dichloroethane	mg/kg	1 / 54	-- - 0.0017	--	0.0017	--
75-35-4	1,1-Dichloroethene	mg/kg	1 / 54	-- - 0.028	--	0.028	--
156-59-2	cis-1,2-Dichloroethene	mg/kg	16 / 54	0.0012 - 61	1.7	61	--
156-60-5	trans-1,2-Dichloroethene	mg/kg	7 / 54	0.00085 - 0.025	0.0077	0.025	--
591-78-6	2-Hexanone	mg/kg	1 / 54	-- - 0.050	--	0.050	--
78-93-3	Methyl ethyl ketone	mg/kg	5 / 54	0.013 - 0.056	0.028	0.056	--
75-09-2	Methylene chloride	mg/kg	9 / 54	0.010 - 0.080	0.033	0.080	--
127-18-4	Tetrachloroethene	mg/kg	2 / 56	0.012 - 0.037	0.025	0.037	--
108-88-3	Toluene	mg/kg	4 / 56	0.020 - 1.9	0.51	1.9	--
87-61-6	1,2,3-Trichlorobenzene	mg/kg	5 / 54	0.0018 - 0.074	0.029	0.074	--
71-55-6	1,1,1-Trichloroethane	mg/kg	1 / 54	-- - 0.020	--	0.020	--
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	1 / 54	-- - 0.0015	--	0.0015	--
79-00-5	1,1,2-Trichloroethane	mg/kg	1 / 54	-- - 0.0019	--	0.0019	--
79-01-6	Trichloroethene	mg/kg	6 / 54	0.00072 - 0.056	0.0080	0.056	--
75-01-4	Vinyl chloride	mg/kg	7 / 54	0.012 - 0.35	0.15	0.35	--
<i>Semi-Volatile Organic Chemicals</i>					mg/kg, dry weight		
83-32-9	Acenaphthene	mg/kg	40 / 57	0.0019 - 0.31	0.087	0.31	--
208-96-8	Acenaphthylene	mg/kg	31 / 57	0.0011 - 0.60	0.043	0.60	--
98-86-2	Acetophenone	mg/kg	17 / 55	0.052 - 0.27	0.15	0.27	--
120-12-7	Anthracene	mg/kg	47 / 57	0.00063 - 3.9	0.34	3.9	--
100-52-7	Benzaldehyde	mg/kg	1 / 41	-- - 0.15	--	0.15	--
92-87-5	Benzidine	mg/kg	13 / 16	4.6 - 81	20	81	--
56-55-3	Benzo(a)anthracene	mg/kg	56 / 57	0.0018 - 8.3	1.6	8.3	--
50-32-8	Benzo(a)pyrene	mg/kg	54 / 57	0.0063 - 6.4	1.5	6.4	--
205-99-2	Benzo(b)fluoranthene	mg/kg	55 / 56	0.0047 - 8.7	2.3	8.7	--
191-24-2	Benzo(g,h,i)perylene	mg/kg	54 / 57	0.0025 - 3.1	0.98	3.1	--
65-85-0	Benzoic acid	mg/kg	5 / 14	0.30 - 0.57	0.42	0.57	--
207-08-9	Benzo(k)fluoranthene	mg/kg	53 / 57	0.0015 - 5.2	0.94	5.2	--
117-81-7	bis(2-Ethylhexyl) phthalate	mg/kg	53 / 57	0.096 - 300	29	300	--
104-51-8	n-Butylbenzene	mg/kg	1 / 14	-- - 0.030	--	0.030	--
85-68-7	Butyl benzyl phthalate	mg/kg	46 / 56	0.037 - 21	2.2	21	--
86-74-8	Carbazole	mg/kg	15 / 41	0.061 - 0.36	0.17	0.36	--
218-01-9	Chrysene	mg/kg	56 / 57	0.0028 - 7.3	1.7	7.3	--
53-70-3	Dibenzo(a,h)anthracene	mg/kg	40 / 57	0.0041 - 1.0	0.24	1.0	--
95-50-1	1,2-Dichlorobenzene	mg/kg	4 / 54	0.0046 - 0.0077	0.0060	0.0077	--
541-73-1	1,3-Dichlorobenzene	mg/kg	4 / 54	0.0091 - 0.025	0.018	0.025	--
606-20-2	2,6-Dinitrotoluene	mg/kg	1 / 55	-- - 0.47	--	0.47	--
84-74-2	di-n-Butyl phthalate	mg/kg	28 / 57	0.053 - 4.4	1.3	4.4	--
117-84-0	di-n-Octyl phthalate	mg/kg	38 / 57	0.054 - 42	4.0	42	--
206-44-0	Fluoranthene	mg/kg	15 / 57	0.0050 - 12	2.5	12	--
86-73-7	Fluorene	mg/kg	40 / 57	0.0021 - 1.4	0.16	1.4	--
193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	56 / 57	0.0021 - 4.0	1.1	4.0	--
99-87-6	p-Isopropyltoluene	mg/kg	1 / 14	-- - 0.080	--	0.080	--
91-57-6	2-Methylnaphthalene	mg/kg	36 / 55	0.0010 - 0.12	0.034	0.12	--
106-44-5 / 15831-10-4 / 65794-96-9	3- & 4-Methylphenol	mg/kg	4 / 40	0.57 - 37	13	37	--
91-20-3	Naphthalene	mg/kg	38 / 55	0.0011 - 0.23	0.042	0.23	--
87-86-5	Pentachlorophenol	mg/kg	1 / 55	-- - 0.013	--	0.013	--
85-01-8	Phenanthrene	mg/kg	55 / 57	0.0026 - 14	1.5	14	--
108-95-2	Phenol	mg/kg	2 / 55	0.090 - 0.12	0.11	0.12	--
129-00-0	Pyrene	mg/kg	53 / 57	0.011 - 17	3.2	17	--
120-82-1	1,2,4-Trichlorobenzene	mg/kg	7 / 54	0.0011 - 0.25	0.075	0.25	--
LMW PAHs	LMW PAHs ¹	mg/kg	56 / 57	0.0060 - 20	2.0	20	--
HMW PAHs	HMW PAHs ²	mg/kg	57 / 57	0.035 - 66	15	66	--

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**Table 3-3
SEDIMENT ANALYTICAL SUMMARY - REACH 2
Cornell-Dubilier Electronics Superfund Site
Feasibility Study**

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
Pesticides					mg/kg, dry weight		
309-00-2	Aldrin	mg/kg	2 / 54	0.0015 - 0.0024	0.0020	0.0024	--
319-84-6	alpha-BHC	mg/kg	29 / 54	0.00073 - 0.075	0.0099	0.075	--
319-85-7	beta-BHC	mg/kg	10 / 40	0.0061 - 0.048	0.018	0.048	--
319-86-8	delta-BHC	mg/kg	1 / 53	-- - 0.0011	--	0.0011	--
58-89-9	gamma-BHC	mg/kg	19 / 53	0.0012 - 0.043	0.010	0.043	--
5103-71-9	alpha-Chlordane	mg/kg	33 / 35	0.0023 - 0.28	0.045	0.28	--
5103-74-2	gamma-Chlordane	mg/kg	22 / 25	0.0036 - 1.2	0.16	1.2	--
60-57-1	Dieldrin	mg/kg	14 / 34	0.0083 - 2.0	0.25	2.0	--
72-54-8	4,4'-DDD	mg/kg	12 / 48	0.0035 - 0.049	0.023	0.049	--
72-55-9	4,4'-DDE	mg/kg	32 / 54	0.0051 - 1.1	0.15	1.1	--
50-29-3	4,4'-DDT	mg/kg	10 / 33	0.0037 - 1.8	0.37	1.8	--
	Total DDx ³	mg/kg	38 / 55	0.0037 - 2.6	0.27	2.6	--
959-98-8	alpha-Endosulfan	mg/kg	3 / 45	0.0073 - 0.040	0.024	0.040	--
33213-65-9	beta-Endosulfan	mg/kg	8 / 34	0.0010 - 0.30	0.063	0.30	--
1031-07-8	Endosulfan sulfate	mg/kg	1 / 47	-- - 0.013	--	0.013	--
72-20-8	Endrin	mg/kg	20 / 49	0.011 - 0.85	0.11	0.85	--
7421-93-4	Endrin aldehyde	mg/kg	13 / 38	0.0063 - 0.25	0.042	0.25	--
53494-70-5	Endrin ketone	mg/kg	8 / 53	0.0012 - 0.020	0.010	0.020	--
76-44-8	Heptachlor	mg/kg	2 / 54	0.0013 - 0.0029	0.0021	0.0029	--
1024-57-3	Heptachlor epoxide	mg/kg	8 / 28	0.0037 - 1.3	0.10	1.3	--
72-43-5	Methoxychlor	mg/kg	7 / 50	0.015 - 0.091	0.039	0.091	--
Polychlorinated Biphenyls (PCB)					mg/kg, dry weight		
53469-21-9	Aroclor 1242	mg/kg	7 / 164	1.1 - 150	37	150	--
12672-29-6	Aroclor 1248	mg/kg	2 / 60	0.25 - 0.39	0.32	0.39	--
11097-69-1	Aroclor 1254	mg/kg	183 / 216	0.020 - 190	6.2	190	--
11096-82-5	Aroclor 1260	mg/kg	17 / 164	0.054 - 4.6	0.55	4.6	--
	Total PCBs ⁴	mg/kg	135 / 216	0.020 - 235	7.2	235	110
Metals					mg/kg, dry weight		
7429-90-5	Aluminum	mg/kg	55 / 55	2,400 - 22,900	8,680	22,900	--
7440-36-0	Antimony	mg/kg	17 / 53	0.38 - 6.1	2.2	6.1	--
7440-38-2	Arsenic	mg/kg	55 / 57	0.70 - 13	4.2	13	--
7440-39-3	Barium	mg/kg	55 / 55	23 - 420	129	420	--
7440-41-7	Beryllium	mg/kg	21 / 57	0.20 - 2.9	0.88	2.9	--
7440-43-9	Cadmium	mg/kg	50 / 57	0.67 - 35	8.3	35	--
7440-70-2	Calcium	mg/kg	55 / 55	740 - 19,200	4,215	19,200	--
7440-47-3	Chromium	mg/kg	57 / 57	5.4 - 76	25	76	--
7440-48-4	Cobalt	mg/kg	55 / 55	2.0 - 45	7.5	45	--
7440-50-8	Copper	mg/kg	57 / 57	2.3 - 170	48	170	--
7439-89-6	Iron	mg/kg	55 / 55	7,300 - 75,600	20,316	75,600	--
7439-92-1	Lead	mg/kg	57 / 57	5.5 - 350	108	350	--
7439-95-4	Magnesium	mg/kg	55 / 55	910 - 10,200	3,462	10,200	--
7439-96-5	Manganese	mg/kg	55 / 55	62 - 3,060	338	3,060	--
7439-97-6	Mercury	mg/kg	39 / 57	0.0068 - 2.1	0.28	2.1	--
7440-02-0	Nickel	mg/kg	57 / 57	4.6 - 56	19	56	--
7440-09-7	Potassium	mg/kg	46 / 55	260 - 2,300	958	2,300	--
7782-49-2	Selenium	mg/kg	17 / 57	0.15 - 3.8	2.2	3.8	--
7440-22-4	Silver	mg/kg	32 / 57	0.13 - 11	3.6	11	--
7440-23-5	Sodium	mg/kg	54 / 55	74 - 720	262	720	--
7440-62-2	Vanadium	mg/kg	55 / 55	5.9 - 58	20	58	--
7440-66-6	Zinc	mg/kg	57 / 57	12 - 630	173	630	--
Other					mg/kg, dry weight		
57-12-5	Cyanide	mg/kg	33 / 41	0.036 - 5.4	0.47	5.4	--

Notes:

¹ LMW PAHs is the sum of detected Naphthalene, Acenaphthene, Acenaphthylene, Anthracene, Fluorene and Phenanthrene concentrations within a given sample.

² HMW PAHs is the sum of detected Benz[a]anthracene, Chrysene, Fluoranthene, Pyrene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Dibenz[ah]anthracene, Benzo[ghi]perylene and Indeno[1,2,3-cd]pyrene concentrations within a given sample.

³ Total DDx is the sum of detected 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT concentrations within a given sample.

⁴ Total PCB is the sum of detected Aroclor 1242, Aroclor 1254 and Aroclor 1260 concentrations within a given sample.

Data sources are : 1998 Weston, 1999 EPA, 1999 NJDEP, 2000 Weston, 2001 Foster Wheeler, 2007/2009 TRC, 2007-2008 USEPA, 2011 OU4 Remedial Investigation.

Analytical summary tables based on Risk Assessment exposure units. Exposure unit boundaries may differ from Feasibility Study Reach boundaries by up to 0.2 miles. The data presented in this table summarizes analytical results of samples collected between RM6.8 and RM4.1.

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Table 3-4
SOIL ANALYTICAL SUMMARY - REACH 2
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
<i>Volatile Organic Chemicals</i>					mg/kg, dry weight		
67-64-1	Acetone	mg/kg	24 / 82	0.040 - 0.71	0.31	0.71	--
75-15-0	Carbon disulfide	mg/kg	2 / 83	0.0041 - 0.0059	0.0050	0.0059	--
56-23-5	Carbon tetrachloride	mg/kg	1 / 77	-- - 0.010	--	0.010	--
67-66-3	Chloroform	mg/kg	1 / 83	-- - 0.0011	--	0.0011	--
74-87-3	Chloromethane	mg/kg	1 / 83	-- - 0.0046	--	0.0046	--
110-82-7	Cyclohexane	mg/kg	4 / 51	0.0012 - 0.015	0.0081	0.015	--
75-34-3	1,1-Dichloroethane	mg/kg	1 / 57	-- - 0.0041	--	0.0041	--
75-35-4	1,1-Dichloroethene	mg/kg	4 / 83	0.00066 - 0.0011	0.00087	0.0011	--
156-59-2	cis-1,2-Dichloroethene	mg/kg	4 / 83	0.00094 - 22	5.5	22	--
156-60-5	trans-1,2-Dichloroethene	mg/kg	2 / 83	0.012 - 0.97	0.49	0.97	--
10061-01-5	cis-1,3-Dichloropropene	mg/kg	2 / 77	0.0012 - 0.0038	0.0025	0.0038	--
10061-02-6	trans-1,3-Dichloropropene	mg/kg	2 / 77	0.00090 - 0.0025	0.0017	0.0025	--
100-41-4	Ethylbenzene	mg/kg	3 / 77	0.0020 - 0.011	0.0043	0.011	--
591-78-6	2-Hexanone	mg/kg	10 / 75	0.0072 - 0.16	0.041	0.16	--
79-20-9	Methyl acetate	mg/kg	1 / 57	-- - 0.0086	--	0.0086	--
78-93-3	Methyl ethyl ketone	mg/kg	21 / 82	0.0030 - 0.22	0.030	0.22	--
108-10-1	Methyl isobutyl ketone	mg/kg	6 / 76	0.0010 - 0.0027	0.0014	0.0027	--
108-87-2	Methylcyclohexane	mg/kg	1 / 52	-- - 0.0042	--	0.0042	--
75-09-2	Methylene chloride	mg/kg	7 / 82	0.030 - 1.7	0.59	1.7	--
100-42-5	Styrene	mg/kg	1 / 77	-- - 0.014	--	0.014	--
108-88-3	Toluene	mg/kg	8 / 77	0.0012 - 0.053	0.0075	0.053	--
71-55-6	1,1,1-Trichloroethane	mg/kg	2 / 76	0.0030 - 0.010	0.0065	0.010	--
75-69-4	Trichlorofluoromethane	mg/kg	21 / 82	0.0030 - 0.050	0.017	0.050	--
179601-23-1	m, p Xylenes	mg/kg	5 / 73	0.0020 - 0.045	0.023	0.045	--
<i>Semi-Volatile Organic Chemicals</i>					mg/kg, dry weight		
83-32-9	Acenaphthene	mg/kg	37 / 104	0.0019 - 0.84	0.15	0.84	--
208-96-8	Acenaphthylene	mg/kg	37 / 104	0.0010 - 0.96	0.18	0.96	--
98-86-2	Acetophenone	mg/kg	6 / 104	0.011 - 0.29	0.11	0.29	--
120-12-7	Anthracene	mg/kg	57 / 104	0.0033 - 2.3	0.44	2.3	--
100-52-7	Benzaldehyde	mg/kg	6 / 104	0.030 - 0.95	0.38	0.95	--
56-55-3	Benzo(a)anthracene	mg/kg	90 / 104	0.00097 - 9.5	1.3	9.5	--
50-32-8	Benzo(a)pyrene	mg/kg	93 / 104	0.0051 - 9.7	1.3	9.7	--
205-99-2	Benzo(b)fluoranthene	mg/kg	96 / 104	0.0028 - 15	1.8	15	--
191-24-2	Benzo(g,h,i)perylene	mg/kg	87 / 104	0.0012 - 6.4	1.0	6.4	--
207-08-9	Benzo(k)fluoranthene	mg/kg	84 / 104	0.0018 - 5.3	0.92	5.3	--
85-68-7	Butyl benzyl phthalate	mg/kg	56 / 102	0.050 - 36	2.7	36	--
92-52-4	Biphenyl	mg/kg	16 / 104	0.0033 - 0.13	0.061	0.13	--
111-44-4	bis(2-Chloroethyl) ether	mg/kg	1 / 104	-- - 0.0022	--	0.0022	--
108-60-1	bis(2-Chloroisopropyl) ether	mg/kg	1 / 104	-- - 1.0	--	1.0	--
117-81-7	bis(2-Ethylhexyl) phthalate	mg/kg	54 / 104	0.035 - 110	12	110	--
86-74-8	Carbazole	mg/kg	23 / 104	0.016 - 0.76	0.13	0.76	--
218-01-9	Chrysene	mg/kg	94 / 104	0.0017 - 11	1.5	11	--
53-70-3	Dibenzo(a,h)anthracene	mg/kg	30 / 104	0.033 - 1.6	0.41	1.6	--
132-64-9	Dibenzofuran	mg/kg	27 / 104	0.0048 - 0.66	0.17	0.66	--
91-94-1	3,3'-Dichlorobenzidine	mg/kg	1 / 99	-- - 0.17	--	0.17	--
84-66-2	Diethyl phthalate	mg/kg	6 / 104	0.0030 - 78	13	78	--
131-11-3	Dimethyl phthalate	mg/kg	4 / 104	0.031 - 3.6	0.74	3.6	--
84-74-2	di-n-Butyl phthalate	mg/kg	22 / 104	0.020 - 2.3	0.65	2.3	--
117-84-0	di-n-Octyl phthalate	mg/kg	17 / 99	0.027 - 7.8	0.81	7.8	--
206-44-0	Fluoranthene	mg/kg	96 / 104	0.0015 - 12	1.9	12	--
86-73-7	Fluorene	mg/kg	36 / 104	0.0024 - 0.89	0.19	0.89	--
118-74-1	Hexachlorobenzene	mg/kg	4 / 101	0.0070 - 0.26	0.090	0.26	--
193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	86 / 104	0.00077 - 6.0	0.97	6.0	--
91-57-6	2-Methylnaphthalene	mg/kg	25 / 104	0.0069 - 1.7	0.40	1.7	--
106-44-5	4-Methylphenol	mg/kg	13 / 104	0.0039 - 0.82	0.21	0.82	--
91-20-3	Naphthalene	mg/kg	42 / 104	0.0061 - 1.2	0.25	1.2	--
100-01-6	4-Nitroaniline	mg/kg	1 / 104	-- - 8.7	--	8.7	--
87-86-5	Pentachlorophenol	mg/kg	5 / 103	0.0010 - 0.023	0.0094	0.023	--
85-01-8	Phenanthrene	mg/kg	84 / 104	0.00048 - 9.4	1.5	9.4	--
108-95-2	Phenol	mg/kg	4 / 104	0.0070 - 0.46	0.089	0.46	--
129-00-0	Pyrene	mg/kg	94 / 104	0.0049 - 16	2.2	16	--
120-82-1	1,2,4-Trichlorobenzene	mg/kg	5 / 54	0.12 - 3.2	0.79	3.2	--
LMW PAHs	LMW PAHs ¹	mg/kg	84 / 104	0.00048 - 14	2.2	14	--
HMW PAHs	HMW PAHs ²	mg/kg	97 / 104	0.021 - 90	12	90	--

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Table 3-4
SOIL ANALYTICAL SUMMARY - REACH 2
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
Pesticides					mg/kg, dry weight		
309-00-2	Aldrin	mg/kg	12 / 73	0.000042 - 0.041	0.0026	0.041	--
319-84-6	alpha-BHC	mg/kg	11 / 83	0.000029 - 0.0030	0.00079	0.0030	--
319-85-7	beta-BHC	mg/kg	6 / 82	0.00016 - 0.0020	0.00089	0.0020	--
319-86-8	delta-BHC	mg/kg	10 / 83	0.000038 - 0.056	0.0092	0.056	--
58-89-9	gamma-BHC	mg/kg	10 / 83	0.00011 - 0.013	0.0013	0.013	--
5103-71-9	alpha-Chlordane	mg/kg	31 / 52	0.0023 - 0.39	0.076	0.39	--
5103-74-2	beta-Chlordane	mg/kg	32 / 46	0.00049 - 0.68	0.080	0.68	--
60-57-1	Dieldrin	mg/kg	44 / 80	0.0020 - 16	0.75	16	--
72-54-8	4,4'-DDD	mg/kg	12 / 77	0.000065 - 0.062	0.011	0.062	--
72-55-9	4,4'-DDE	mg/kg	13 / 71	0.0037 - 56	4.0	56	--
50-29-3	4,4'-DDT	mg/kg	48 / 82	0.0037 - 2.0	0.17	2.0	--
	Total DDx ³	mg/kg	54 / 109	0.0037 - 56	2.1	56	--
959-98-8	alpha-Endosulfan	mg/kg	9 / 82	0.00013 - 0.082	0.014	0.082	--
33213-65-9	beta-Endosulfan	mg/kg	11 / 66	0.0026 - 0.59	0.043	0.59	--
1031-07-8	Endosulfan sulfate	mg/kg	8 / 81	0.00010 - 0.022	0.0036	0.022	--
72-20-8	Endrin	mg/kg	5 / 62	0.0022 - 0.013	0.0069	0.013	--
7421-93-4	Endrin aldehyde	mg/kg	26 / 81	0.00027 - 5.2	0.32	5.2	--
53494-70-5	Endrin ketone	mg/kg	4 / 67	0.0044 - 0.065	0.023	0.065	--
76-44-8	Heptachlor	mg/kg	3 / 83	0.0014 - 0.020	0.014	0.020	--
1024-57-3	Heptachlor epoxide	mg/kg	15 / 79	0.00018 - 12	0.60	12	--
72-43-5	Methoxychlor	mg/kg	11 / 82	0.0011 - 0.043	0.012	0.043	--
Polychlorinated Biphenyls (PCB)					mg/kg, dry weight		
53469-21-9	Aroclor 1242	mg/kg	1 / 556	-- - 0.15	--	0.15	--
11097-69-1	Aroclor 1254	mg/kg	759 / 864	0.0062 - 924	11	924	--
11096-82-5	Aroclor 1260	mg/kg	46 / 556	0.018 - 7.4	0.61	7.4	--
	Total PCBs ⁴	mg/kg	762 / 898	0.0062 - 924	11	924	522
Metals					mg/kg, dry weight		
7429-90-5	Aluminum	mg/kg	104 / 104	1,430 - 35,800	10,551	35,800	--
7440-36-0	Antimony	mg/kg	9 / 104	0.14 - 42	7.6	42	--
7440-38-2	Arsenic	mg/kg	99 / 104	1.0 - 39	12	39	--
7440-39-3	Barium	mg/kg	104 / 104	11 - 1,500	320	1,500	--
7440-41-7	Beryllium	mg/kg	55 / 104	0.090 - 11	1.4	11	--
7440-43-9	Cadmium	mg/kg	77 / 104	1.0 - 40	9.3	40	--
7440-70-2	Calcium	mg/kg	102 / 104	218 - 23,000	3,941	23,000	--
7440-47-3	Chromium	mg/kg	100 / 104	2.5 - 304	50	304	--
7440-48-4	Cobalt	mg/kg	99 / 104	1.2 - 34	9.4	34	--
7440-50-8	Copper	mg/kg	100 / 104	3.2 - 12,000	295	12,000	--
7439-89-6	Iron	mg/kg	104 / 104	1,970 - 282,000	31,571	282,000	--
7439-92-1	Lead	mg/kg	104 / 104	1.9 - 9,950	545	9,950	--
7439-95-4	Magnesium	mg/kg	104 / 104	250 - 6,200	2,436	6,200	--
7439-96-5	Manganese	mg/kg	101 / 104	12 - 1,800	465	1,800	--
7439-97-6	Mercury	mg/kg	97 / 104	0.020 - 5.7	0.70	5.7	--
7440-02-0	Nickel	mg/kg	104 / 104	1.2 - 235	34	235	--
7440-09-7	Potassium	mg/kg	79 / 104	179 - 1,790	786	1,790	--
7782-49-2	Selenium	mg/kg	41 / 88	0.071 - 9.2	3.6	9.2	--
7440-22-4	Silver	mg/kg	79 / 104	0.48 - 63	6.6	63	--
7440-23-5	Sodium	mg/kg	57 / 104	63 - 774	249	774	--
7440-28-0	Thallium	mg/kg	6 / 104	0.60 - 4.0	1.3	4.0	--
7440-62-2	Vanadium	mg/kg	99 / 104	5.0 - 95	35	95	--
7440-66-6	Zinc	mg/kg	104 / 104	5.0 - 3,680	375	3,680	--
Other					mg/kg, dry weight		
57-12-5	Cyanide	mg/kg	33 / 78	0.067 - 2.6	0.048	2.6	--

Notes:

- ¹ LMW PAHs is the sum of detected Naphtalene, Acenaphthene, Acenaphthylene, Anthracene, Fluorene and Phenanthrene concentrations within a given sample.
- ² HMW PAHs is the sum of detected Benz[a]anthracene, Chrysene, Fluoranthene, Pyrene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[j,k]fluoranthenes, Dibenz[ah]anthracene, Benzo[ghi]perylene and Indeno[1,2,3-cd]pyrene concentrations within a given sample.
- ³ Total DDx is the sum of detected 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT concentrations within a given sample.
- ⁴ Total PCB is the sum of detected Aroclor 1242, Aroclor 1254 and Aroclor 1260 concentrations within a given sample.

Data sources are : 1998 Weston, 1999 EPA, 1999 NJDEP, 2000 Weston, 2001 Foster Wheeler, 2007/2009 TRC, 2007-2008 USEPA, 2011 OU4 Remedial Investigation.

Analytical summary tables based on Risk Assessment exposure units. Exposure unit boundaries may differ from Feasibility Study Reach boundaries by up to 0.2 miles. The data presented in this table summarizes analytical results of samples collected between RM6.8 and RM4.1.

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Table 3-5
SEDIMENT ANALYTICAL SUMMARY - REACH 3
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
Volatile Organic Chemicals					mg/kg, dry weight	mg/kg, dry weight	
67-64-1	Acetone	mg/kg	2 / 11	2.3 - 3.0	2.7	3.0	--
75-15-0	Carbon disulfide	mg/kg	2 / 11	0.0033 - 0.0040	0.0037	0.0040	--
78-93-3	Methyl ethyl ketone	mg/kg	7 / 11	0.0068 - 0.092	0.034	0.092	--
75-09-2	Methylene chloride	mg/kg	1 / 11	-- - 0.030	--	0.030	--
Semi-Volatile Organic Chemicals					mg/kg, dry weight	mg/kg, dry weight	
83-32-9	Acenaphthene	mg/kg	7 / 11	0.014 - 0.13	0.072	0.13	--
208-96-8	Acenaphthylene	mg/kg	7 / 11	0.0026 - 0.024	0.013	0.024	--
120-12-7	Anthracene	mg/kg	9 / 11	0.0030 - 0.30	0.15	0.30	--
100-52-7	Benzaldehyde	mg/kg	5 / 9	0.075 - 0.22	0.15	0.22	--
92-87-5	Benzidine	mg/kg	2 / 2	17 - 19	18	19	--
56-55-3	Benzo(a)anthracene	mg/kg	10 / 11	0.16 - 3.4	1.7	3.4	--
50-32-8	Benzo(a)pyrene	mg/kg	10 / 11	0.18 - 3.5	1.9	3.5	--
205-99-2	Benzo(b)fluoranthene	mg/kg	10 / 11	0.39 - 5.7	2.9	5.7	--
191-24-2	Benzo(g,h,i)perylene	mg/kg	9 / 11	0.20 - 2.4	1.3	2.4	--
207-08-9	Benzo(k)fluoranthene	mg/kg	10 / 11	0.14 - 4.5	1.8	4.5	--
117-81-7	bis(2-Ethylhexyl) phthalate	mg/kg	11 / 11	0.15 - 47	17	47	--
85-68-7	Butyl benzyl phthalate	mg/kg	9 / 11	0.050 - 0.93	0.43	0.93	--
86-74-8	Carbazole	mg/kg	2 / 9	0.078 - 0.18	0.13	0.18	--
218-01-9	Chrysene	mg/kg	10 / 11	0.25 - 4.0	2.2	4.0	--
53-70-3	Dibenzo(a,h)anthracene	mg/kg	8 / 11	0.048 - 1.0	0.43	1.0	--
117-84-0	di-n-Octyl phthalate	mg/kg	8 / 9	0.19 - 25	5.9	25	--
206-44-0	Fluoranthene	mg/kg	10 / 11	0.35 - 6.5	2.8	6.5	--
86-73-7	Fluorene	mg/kg	8 / 11	0.014 - 0.21	0.11	0.21	--
193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	9 / 11	0.26 - 3.1	1.6	3.1	--
91-57-6	2-Methylnaphthalene	mg/kg	8 / 11	0.010 - 0.065	0.035	0.065	--
106-44-5 / 15831-10-4 / 65794-96-9	3- & 4-Methylphenol	mg/kg	1 / 11	-- - 0.98	--	0.98	--
91-20-3	Naphthalene	mg/kg	9 / 11	0.0071 - 0.42	0.076	0.42	--
85-01-8	Phenanthrene	mg/kg	10 / 11	0.18 - 2.0	1.1	2.0	--
129-00-0	Pyrene	mg/kg	10 / 11	0.36 - 6.6	3.5	6.6	--
LMW PAHs	LMW PAHs ¹	mg/kg	11 / 11	0.0056 - 2.7	1.3	2.7	--
HMW PAHs	HMW PAHs ²	mg/kg	10 / 11	2.3 - 39	20	39	--
Pesticides					mg/kg, dry weight	mg/kg, dry weight	
319-84-6	alpha-BHC	mg/kg	4 / 11	0.0046 - 0.0073	0.0060	0.0073	--
319-85-7	beta-BHC	mg/kg	6 / 10	0.0077 - 0.023	0.014	0.023	--
5103-71-9	alpha-Chlordane	mg/kg	8 / 9	0.0068 - 0.065	0.034	0.065	--
5103-74-2	gamma-Chlordane	mg/kg	1 / 1	-- - 0.0057	--	0.0057	--
72-54-8	4,4'-DDD	mg/kg	1 / 8	-- - 0.0067	--	0.0067	--
72-55-9	4,4'-DDE	mg/kg	9 / 11	0.0046 - 0.11	0.054	0.11	--
	Total DDX ³	mg/kg	9 / 11	0.0046 - 0.11	0.055	0.11	--
959-98-8	alpha-Endosulfan	mg/kg	1 / 9	-- - 0.0011	--	0.0011	--
72-20-8	Endrin	mg/kg	6 / 10	0.0094 - 0.039	0.026	0.039	--
53494-70-5	Endrin ketone	mg/kg	1 / 11	-- - 0.0059	--	0.0059	--
72-43-5	Methoxychlor	mg/kg	2 / 8	0.079 - 0.12	0.10	0.12	--
Polychlorinated Biphenyls (PCB)					mg/kg, dry weight	mg/kg, dry weight	
11097-69-1	Aroclor 1254	mg/kg	11 / 11	0.27 - 4.7	2.6	4.7	--
	Total PCBs ⁴	mg/kg	11 / 11	0.27 - 4.7	2.6	4.7	9
Metals					mg/kg, dry weight	mg/kg, dry weight	
7429-90-5	Aluminum	mg/kg	11 / 11	5,450 - 22,300	13,779	22,300	--
7440-36-0	Antimony	mg/kg	2 / 11	2.6 - 2.7	2.7	2.7	--
7440-38-2	Arsenic	mg/kg	11 / 11	0.69 - 13	4.4	13	--
7440-39-3	Barium	mg/kg	10 / 10	49 - 1,320	305	1,320	--
7440-41-7	Beryllium	mg/kg	2 / 11	0.78 - 1.1	0.94	1.1	--
7440-43-9	Cadmium	mg/kg	11 / 11	1.4 - 68	16	68	--
7440-70-2	Calcium	mg/kg	11 / 11	1,010 - 8,860	4,565	8,860	--
7440-47-3	Chromium	mg/kg	11 / 11	9.6 - 78	35	78	--
7440-48-4	Cobalt	mg/kg	11 / 11	3.2 - 21	9.3	21	--
7440-50-8	Copper	mg/kg	11 / 11	5.3 - 220	69	220	--
7439-89-6	Iron	mg/kg	11 / 11	11,900 - 36,100	23,227	36,100	--
7439-92-1	Lead	mg/kg	11 / 11	16 - 290	157	290	--
7439-95-4	Magnesium	mg/kg	11 / 11	2,060 - 6,830	4,198	6,830	--
7439-96-5	Manganese	mg/kg	11 / 11	84 - 642	301	642	--
7439-97-6	Mercury	mg/kg	11 / 11	0.032 - 0.91	0.35	0.91	--
7440-02-0	Nickel	mg/kg	11 / 11	5.6 - 51	22	51	--
7440-09-7	Potassium	mg/kg	11 / 11	489 - 2,110	1,198	2,110	--
7782-49-2	Selenium	mg/kg	2 / 11	3.7 - 3.8	3.8	3.8	--
7440-22-4	Silver	mg/kg	9 / 11	1.5 - 35	11	35	--
7440-23-5	Sodium	mg/kg	11 / 11	146 - 1,050	453	1,050	--
7440-62-2	Vanadium	mg/kg	11 / 11	5.1 - 51	25	51	--
7440-66-6	Zinc	mg/kg	11 / 11	43 - 670	260	670	--
Other					mg/kg, dry weight	mg/kg, dry weight	
57-12-5	Cyanide	mg/kg	5 / 9	0.85 - 2.7	1.7	2.7	--

Notes:

¹ LMW PAHs is the sum of detected Naphthalene, Acenaphthene, Acenaphthylene, Anthracene, Fluorene and Phenanthrene concentrations within a given sample.

² HMW PAHs is the sum of detected Benz[a]anthracene, Chrysene, Fluoranthene, Pyrene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Dibenzo[ah]anthracene, Benzo[ghi]perylene and Indeno[1,2,3-cd]pyrene concentrations within a given sample.

³ Total DDX is the sum of detected 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT concentrations within a given sample.

⁴ Total PCB is the sum of detected Aroclor 1242, Aroclor 1254 and Aroclor 1260 concentrations within a given sample.

Data sources are : 1998 Weston, 1999 EPA, 1999 NJDEP, 2000 Weston, 2001 Foster Wheeler, 2007/2009 TRC, 2007-2008 USEPA, 2011 OU4 Remedial Investigation.

Analytical summary tables based on Risk Assessment exposure units. Exposure unit boundaries may differ from Feasibility Study Reach boundaries by up to 0.2 miles. The data presented in this table summarizes analytical results of samples collected between RM4.1 and RM3.4.

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Table 3-6
SOIL ANALYTICAL SUMMARY - REACH 3
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
<i>Volatile Organic Chemicals</i>							
67-64-1	Acetone	mg/kg	1 / 1	-- - 0.0059	mg/kg, dry weight --	mg/kg, dry weight 0.0059	--
<i>Semi-Volatile Organic Chemicals</i>							
83-32-9	Acenaphthene	mg/kg	2 / 2	0.0082 - 0.0095	0.0089	0.0095	--
208-96-8	Acenaphthylene	mg/kg	2 / 2	0.013 - 0.024	0.019	0.024	--
120-12-7	Anthracene	mg/kg	2 / 2	0.025 - 0.027	0.026	0.027	--
56-55-3	Benzo(a)anthracene	mg/kg	2 / 2	0.23 - 0.29	0.26	0.29	--
50-32-8	Benzo(a)pyrene	mg/kg	2 / 2	0.24 - 0.33	0.29	0.33	--
205-99-2	Benzo(b)fluoranthene	mg/kg	2 / 2	0.37 - 0.41	0.39	0.41	--
191-24-2	Benzo(g,h,i)perylene	mg/kg	2 / 2	0.17 - 0.25	0.21	0.25	--
207-08-9	Benzo(k)fluoranthene	mg/kg	2 / 2	0.30 - 0.30	0.30	0.30	--
92-52-4	Biphenyl	mg/kg	2 / 2	0.0034 - 0.027	0.015	0.027	--
86-74-8	Carbazole	mg/kg	2 / 2	0.022 - 0.025	0.024	0.025	--
218-01-9	Chrysene	mg/kg	2 / 2	0.35 - 0.39	0.37	0.39	--
53-70-3	Dibenzo(a,h)anthracene	mg/kg	2 / 2	0.063 - 0.077	0.070	0.077	--
132-64-9	Dibenzofuran	mg/kg	2 / 2	0.010 - 0.060	0.035	0.060	--
84-66-2	Diethyl phthalate	mg/kg	1 / 2	-- - 0.0029	--	0.0029	--
206-44-0	Fluoranthene	mg/kg	2 / 2	0.35 - 0.44	0.40	0.44	--
86-73-7	Fluorene	mg/kg	2 / 2	0.012 - 0.012	0.012	0.012	--
193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	2 / 2	0.17 - 0.23	0.20	0.23	--
91-20-3	Naphthalene	mg/kg	1 / 2	-- - 0.10	--	0.10	--
87-86-5	Pentachlorophenol	mg/kg	1 / 2	-- - 0.0023	--	0.0023	--
85-01-8	Phenanthrene	mg/kg	2 / 2	0.24 - 0.29	0.27	0.29	--
129-00-0	Pyrene	mg/kg	2 / 2	0.31 - 0.58	0.45	0.58	--
LMW PAHs	LMW PAHs ¹	mg/kg	2 / 2	0.30 - 0.46	0.38	0.46	--
HMW PAHs	HMW PAHs ²	mg/kg	2 / 2	2.6 - 3.2	2.9	3.2	--
<i>Pesticides</i>							
319-84-6	alpha-BHC	mg/kg	1 / 1	-- - 0.00025	--	0.00025	--
1031-07-8	Endosulfan sulfate	mg/kg	1 / 1	-- - 0.0055	--	0.0055	--
72-20-8	Endrin	mg/kg	1 / 1	-- - 0.0072	--	0.0072	--
1024-57-3	Heptachlor epoxide	mg/kg	1 / 1	-- - 0.0052	--	0.0052	--
<i>Polychlorinated Biphenyls (PCB)</i>							
11097-69-1	Aroclor 1254	mg/kg	1 / 2	-- - 0.66	--	0.66	--
11096-82-5	Aroclor 1260	mg/kg	1 / 2	-- - 0.094	--	0.094	--
	Total PCBs ³	mg/kg	1 / 2	-- - 0.75	--	0.75	0
<i>Metals</i>							
7429-90-5	Aluminum	mg/kg	2 / 2	8,580 - 13,100	10,840	13,100	--
7440-38-2	Arsenic	mg/kg	2 / 2	6.8 - 12	9.3	12	--
7440-39-3	Barium	mg/kg	2 / 2	82 - 100	91	100	--
7440-41-7	Beryllium	mg/kg	2 / 2	0.38 - 0.61	0.50	0.61	--
7440-43-9	Cadmium	mg/kg	1 / 2	-- - 0.55	--	0.55	--
7440-70-2	Calcium	mg/kg	2 / 2	692 - 1,360	1,026	1,360	--
7440-47-3	Chromium	mg/kg	2 / 2	14 - 25	19	25	--
7440-48-4	Cobalt	mg/kg	2 / 2	5.1 - 5.6	5.4	5.6	--
7440-50-8	Copper	mg/kg	2 / 2	31 - 38	34	38	--
7439-89-6	Iron	mg/kg	2 / 2	12,400 - 15,800	14,100	15,800	--
7439-92-1	Lead	mg/kg	2 / 2	44 - 85	65	85	--
7439-95-4	Magnesium	mg/kg	2 / 2	1,790 - 2,260	2,025	2,260	--
7439-96-5	Manganese	mg/kg	2 / 2	273 - 492	383	492	--
7439-97-6	Mercury	mg/kg	2 / 2	0.062 - 0.12	0.091	0.12	--
7440-02-0	Nickel	mg/kg	2 / 2	11 - 13	12	13	--
7440-09-7	Potassium	mg/kg	2 / 2	554 - 562	558	562	--
7782-49-2	Selenium	mg/kg	1 / 2	-- - 1.9	--	1.9	--
7440-22-4	Silver	mg/kg	2 / 2	1.1 - 1.9	1.5	1.9	--
7440-23-5	Sodium	mg/kg	2 / 2	161 - 198	180	198	--
7440-62-2	Vanadium	mg/kg	2 / 2	19 - 28	23	28	--
7440-66-6	Zinc	mg/kg	2 / 2	54 - 62	58	62	--
<i>Other</i>							
57-12-5	Cyanide	mg/kg	2 / 2	0.11 - 0.43	0.27	0.43	--

Notes:

¹ LMW PAHs is the sum of detected Naphtalene, Acenaphthene, Acenaphthylene, Anthracene, Fluorene and Phenanthrene concentrations within a given sample.

² HMW PAHs is the sum of detected Benz[a]anthracene, Chrysene, Fluoranthene, Pyrene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[j,k]fluoranthenes, Dibenz[ah]anthracene, Benzo[ghi]perylene and Indeno[1,2,3-cd]pyrene concentrations within a given sample.

³ Total PCB is the sum of detected Aroclor 1242, Aroclor 1254 and Aroclor 1260 concentrations within a given sample.

Data sources are : 1998 Weston, 1999 EPA, 1999 NJDEP, 2000 Weston, 2001 Foster Wheeler, 2007/2009 TRC, 2007-2008 USEPA, 2011 OU4 Remedial Investigation.

Analytical summary tables based on Risk Assessment exposure units. Exposure unit boundaries may differ from Feasibility Study Reach boundaries by up to 0.2 miles. The data presented in this table summarizes analytical results of samples collected between RM4.1 and RM3.4.

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Table 3-7
SEDIMENT ANALYTICAL SUMMARY - REACH 4
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
<i>Volatile Organic Chemicals</i>					mg/kg, dry weight	mg/kg, dry weight	
67-64-1	Acetone	mg/kg	7 / 23	0.010 - 0.44	0.088	0.44	--
75-15-0	Carbon disulfide	mg/kg	5 / 23	0.00061 - 0.0070	0.0028	0.0070	--
108-90-7	Chlorobenzene	mg/kg	1 / 23	-- - 0.072	--	0.072	--
107-06-2	1,2-Dichloroethane	mg/kg	1 / 23	-- - 0.0020	--	0.0020	--
78-93-3	Methyl ethyl ketone	mg/kg	3 / 23	0.0075 - 0.010	0.0092	0.010	--
1634-04-4	Methyl tert-butyl ether	mg/kg	1 / 23	-- - 0.0020	--	0.0020	--
108-88-3	Toluene	mg/kg	1 / 23	-- - 0.020	--	0.020	--
<i>Semi-Volatile Organic Chemicals</i>					mg/kg, dry weight	mg/kg, dry weight	
83-32-9	Acenaphthene	mg/kg	16 / 25	0.0023 - 0.85	0.14	0.85	--
208-96-8	Acenaphthylene	mg/kg	18 / 25	0.00092 - 3.1	0.24	3.1	--
98-86-2	Acetophenone	mg/kg	5 / 19	0.073 - 0.20	0.13	0.20	--
120-12-7	Anthracene	mg/kg	20 / 32	0.0018 - 2.7	0.30	2.7	--
100-52-7	Benzaldehyde	mg/kg	2 / 18	0.062 - 0.50	0.28	0.50	--
92-87-5	Benzdine	mg/kg	1 / 1	-- - 15	--	15	--
56-55-3	Benzo(a)anthracene	mg/kg	27 / 32	0.011 - 8.3	1.1	8.3	--
50-32-8	Benzo(a)pyrene	mg/kg	27 / 32	0.011 - 13	1.2	13	--
205-99-2	Benzo(b)fluoranthene	mg/kg	27 / 32	0.025 - 11	1.5	11	--
191-24-2	Benzo(g,h,i)perylene	mg/kg	24 / 32	0.0080 - 9.0	0.78	9.0	--
207-08-9	Benzo(k)fluoranthene	mg/kg	22 / 32	0.0092 - 9.1	0.99	9.1	--
117-81-7	bis(2-Ethylhexyl) phthalate	mg/kg	16 / 32	0.092 - 2.6	0.94	2.6	--
85-68-7	Butyl benzyl phthalate	mg/kg	2 / 23	0.041 - 0.06	0.049	0.06	--
86-74-8	Carbazole	mg/kg	6 / 18	0.059 - 0.29	0.13	0.29	--
218-01-9	Chrysene	mg/kg	27 / 32	0.015 - 9.4	1.2	9.4	--
53-70-3	Dibenzo(a,h)anthracene	mg/kg	19 / 32	0.0027 - 2.4	0.23	2.4	--
84-74-2	di-n-Butyl phthalate	mg/kg	1 / 7	-- - 0.13	--	0.13	--
117-84-0	di-n-Octyl phthalate	mg/kg	1 / 24	-- - 0.20	--	0.20	--
206-44-0	Fluoranthene	mg/kg	28 / 32	0.033 - 16	2.0	16	--
86-73-7	Fluorene	mg/kg	17 / 25	0.00081 - 2.3	0.22	2.3	--
193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	26 / 32	0.010 - 7.5	0.74	7.5	--
99-87-6	p-Isopropyltoluene	mg/kg	1 / 7	-- - 0.0010	--	0.0010	--
91-57-6	2-Methylnaphthalene	mg/kg	14 / 25	0.0011 - 0.14	0.019	0.14	--
106-44-5 / 15831-10-4 / 65794-96-9	3- & 4-Methylphenol	mg/kg	1 / 25	-- - 0.38	--	0.38	--
91-20-3	Naphthalene	mg/kg	15 / 25	0.0010 - 0.97	0.084	0.97	--
85-01-8	Phenanthrene	mg/kg	27 / 32	0.010 - 17	1.2	17	--
129-00-0	Pyrene	mg/kg	26 / 32	0.021 - 15	2.3	15	--
LMW PAHs	LMW PAHs ¹	mg/kg	29 / 34	0.014 - 23	1.7	23	--
HMW PAHs	HMW PAHs ²	mg/kg	30 / 32	0.11 - 101	11	101	--
<i>Pesticides</i>					mg/kg, dry weight	mg/kg, dry weight	
309-00-2	Aldrin	mg/kg	4 / 23	0.00058 - 0.00077	0.00065	0.00077	--
319-84-6	alpha-BHC	mg/kg	4 / 23	0.00089 - 0.0046	0.0020	0.0046	--
319-85-7	beta-BHC	mg/kg	1 / 16	-- - 0.011	--	0.011	--
319-86-8	delta-BHC	mg/kg	1 / 23	-- - 0.0020	--	0.0020	--
58-89-9	gamma-BHC	mg/kg	4 / 22	0.00070 - 0.0025	0.0015	0.0025	--
5103-71-9	alpha-Chlordane	mg/kg	11 / 16	0.0022 - 0.042	0.0097	0.042	--
5103-74-2	gamma-Chlordane	mg/kg	11 / 12	0.0024 - 0.050	0.014	0.050	--
60-57-1	Dieldrin	mg/kg	4 / 20	0.0038 - 0.030	0.015	0.030	--
72-54-8	4,4'-DDD	mg/kg	9 / 23	0.0029 - 0.038	0.0111	0.038	--
72-55-9	4,4'-DDE	mg/kg	10 / 22	0.0018 - 0.027	0.014	0.027	--
50-29-3	4,4'-DDT	mg/kg	1 / 17	-- - 0.0038	--	0.0038	--
	Total DDx ³	mg/kg	15 / 23	0.0018 - 0.060	0.018	0.060	--
959-98-8	alpha-Endosulfan	mg/kg	4 / 21	0.00078 - 0.0023	0.0015	0.0023	--
33213-65-9	beta-Endosulfan	mg/kg	1 / 22	-- - 0.0014	--	0.0014	--
72-20-8	Endrin	mg/kg	3 / 22	0.00098 - 0.017	0.0084	0.017	--
7421-93-4	Endrin aldehyde	mg/kg	3 / 23	0.0026 - 0.0067	0.0040	0.0067	--
53494-70-5	Endrin ketone	mg/kg	4 / 23	0.0019 - 0.020	0.011	0.020	--
76-44-8	Heptachlor	mg/kg	2 / 23	0.0013 - 0.0014	0.0014	0.0014	--
1024-57-3	Heptachlor epoxide	mg/kg	2 / 13	0.0019 - 0.0069	0.0044	0.0069	--
72-43-5	Methoxychlor	mg/kg	5 / 23	0.0040 - 0.057	0.023	0.057	--

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Table 3-7
SEDIMENT ANALYTICAL SUMMARY - REACH 4
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
<i>Polychlorinated Biphenyls (PCB)</i>					mg/kg, dry weight	mg/kg, dry weight	
12672-29-6	Aroclor 1248	mg/kg	1 / 25	-- - 2.2	--	2.2	--
11097-69-1	Aroclor 1254	mg/kg	28 / 36	0.016 - 11	0.68	11	--
11096-82-5	Aroclor 1260	mg/kg	2 / 29	0.14 - 0.43	0.29	0.43	--
	Total PCBs ⁴	mg/kg	28 / 36	0.016 - 11	0.69	11	5
<i>Metals</i>					mg/kg, dry weight	mg/kg, dry weight	
7429-90-5	Aluminum	mg/kg	32 / 32	3,090 - 72,500	9,398	72,500	--
7440-36-0	Antimony	mg/kg	1 / 25	-- - 1.1	--	1.1	--
7440-38-2	Arsenic	mg/kg	31 / 31	0.62 - 23	2.8	23	--
7440-39-3	Barium	mg/kg	32 / 32	28 - 531	84	531	--
7440-41-7	Beryllium	mg/kg	8 / 32	0.28 - 1.4	0.79	1.4	--
7440-43-9	Cadmium	mg/kg	19 / 32	0.58 - 5.2	1.4	5.2	--
7440-70-2	Calcium	mg/kg	32 / 32	606 - 22,700	2,158	22,700	--
7440-47-3	Chromium	mg/kg	32 / 32	8.1 - 95	19	95	--
7440-48-4	Cobalt	mg/kg	32 / 32	3.8 - 46	9.1	46	--
7440-50-8	Copper	mg/kg	32 / 32	5.0 - 829	41	829	--
7439-89-6	Iron	mg/kg	32 / 32	7,740 - 281,000	22,294	281,000	--
7439-92-1	Lead	mg/kg	32 / 32	8.8 - 389	64	389	--
7439-95-4	Magnesium	mg/kg	32 / 32	1,300 - 45,700	4,016	45,700	--
7439-96-5	Manganese	mg/kg	32 / 32	73 - 2,410	241	2,410	--
7439-97-6	Mercury	mg/kg	9 / 32	0.04 - 0.54	0.20	0.54	--
7440-02-0	Nickel	mg/kg	30 / 30	7.7 - 94	16	94	--
7440-09-7	Potassium	mg/kg	30 / 32	417 - 12,300	1,275	12,300	--
7782-49-2	Selenium	mg/kg	4 / 25	0.67 - 1.1	0.94	1.1	--
7440-22-4	Silver	mg/kg	5 / 25	0.38 - 2.3	1.1	2.3	--
7440-23-5	Sodium	mg/kg	23 / 25	57 - 1,790	251	1,790	--
7440-62-2	Vanadium	mg/kg	32 / 32	8.3 - 77	20	77	--
7440-66-6	Zinc	mg/kg	32 / 32	25 - 600	115	600	--
<i>Other</i>					mg/kg, dry weight	mg/kg, dry weight	
57-12-5	Cyanide	mg/kg	12 / 18	0.14 - 4.3	1.3	4.3	--

Notes:

¹ LMW PAHs is the sum of detected Naphtalene, Acenaphthene, Acenaphthylene, Anthracene, Fluorene and Phenanthrene concentrations within a given sample.

² HMW PAHs is the sum of detected Benz[a]anthracene, Chrysene, Fluoranthene, Pyrene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[j,k]fluoranthenes, Dibenz[ah]anthracene, Benzo[ghi]perylene and Indeno[1,2,3-cd]pyrene concentrations within a given sample.

³ Total DDx is the sum of detected 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT concentrations within a given sample.

⁴ Total PCB is the sum of detected Aroclor 1242, Aroclor 1254 and Aroclor 1260 concentrations within a given sample.

Data sources are : 1998 Weston, 1999 EPA, 1999 NJDEP, 2000 Weston, 2001 Foster Wheeler, 2007/2009 TRC, 2007-2008 USEPA, 2011 OU4 Remedial Investigation.

Analytical summary tables based on Risk Assessment exposure units. Exposure unit boundaries may differ from Feasibility Study Reach boundaries by up to 0.2 miles. The data presented in this table summarizes analytical results of samples collected between RM3.4 and RM-1.6.

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Table 3-8
SOIL ANALYTICAL SUMMARY - REACH 4
Cornell-Dubilier Electronics Superfund Site
Feasibility Study

CAS Number	Chemical	Units	Detection Frequency	Range of Detected Concentrations	Mean	Peak Detected Concentration	Exceedances of PRGs
Semi-Volatile Organic Chemicals					mg/kg, dry weight	mg/kg, dry weight	
83-32-9	Acenaphthene	mg/kg	29 / 39	0.001 - 0.30	0.110	0.30	--
208-96-8	Acenaphthylene	mg/kg	27 / 27	0.0012 - 0.067	0.015	0.067	--
98-86-2	Acetophenone	mg/kg	9 / 27	0.011 - 0.031	0.018	0.031	--
120-12-7	Anthracene	mg/kg	31 / 39	0.0021 - 0.66	0.180	0.66	--
100-52-7	Benzaldehyde	mg/kg	10 / 27	0.0074 - 0.035	0.017	0.035	--
56-55-3	Benzo(a)anthracene	mg/kg	38 / 39	0.026 - 2.4	0.61	2.4	--
50-32-8	Benzo(a)pyrene	mg/kg	39 / 39	0.035 - 2.6	0.65	2.6	--
205-99-2	Benzo(b)fluoranthene	mg/kg	39 / 39	0.039 - 2.7	0.89	2.7	--
191-24-2	Benzo(g,h,i)perylene	mg/kg	38 / 39	0.016 - 1.8	0.39	1.8	--
207-08-9	Benzo(k)fluoranthene	mg/kg	38 / 39	0.039 - 2.8	0.50	2.8	--
85-68-7	Butyl benzyl phthalate	mg/kg	1 / 27	-- - 0.040	--	0.040	--
92-52-4	Biphenyl	mg/kg	10 / 27	0.0036 - 0.029	0.0092	0.029	--
105-60-2	Caprolactam	mg/kg	3 / 27	0.019 - 0.025	0.023	0.025	--
86-74-8	Carbazole	mg/kg	25 / 39	0.0027 - 0.29	0.130	0.29	--
218-01-9	Chrysene	mg/kg	39 / 39	0.033 - 3.1	0.72	3.1	--
53-70-3	Dibenzo(a,h)anthracene	mg/kg	32 / 39	0.0051 - 0.61	0.16	0.61	--
132-64-9	Dibenzofuran	mg/kg	18 / 39	0.0025 - 0.190	0.106	0.190	--
84-66-2	Diethyl phthalate	mg/kg	4 / 27	0.0021 - 0.117	0.0036	0.12	--
131-11-3	Dimethyl phthalate	mg/kg	3 / 27	0.012 - 0.13	0.087	0.13	--
117-84-0	di-n-Octyl phthalate	mg/kg	4 / 25	0.012 - 0.12	0.024	0.12	--
206-44-0	Fluoranthene	mg/kg	39 / 39	0.049 - 4.6	1.1	4.6	--
86-73-7	Fluorene	mg/kg	29 / 39	0.0011 - 0.39	0.150	0.39	--
118-74-1	Hexachlorobenzene	mg/kg	2 / 27	0.017 - 0.028	0.023	0.028	--
193-39-5	Indeno(1,2,3-cd)pyrene	mg/kg	38 / 39	0.016 - 1.6	0.39	1.6	--
91-57-6	2-Methylnaphthalene	mg/kg	27 / 27	0.0019 - 0.14	0.021	0.14	--
106-44-5	4-Methylphenol	mg/kg	3 / 27	0.0037 - 0.0089	0.0054	0.0089	--
91-20-3	Naphthalene	mg/kg	9 / 39	0.015 - 0.14	0.089	0.14	--
87-86-5	Pentachlorophenol	mg/kg	3 / 27	0.0017 - 0.0039	0.0027	0.0039	--
85-01-8	Phenanthrene	mg/kg	38 / 39	0.027 - 3.0	0.62	3.0	--
108-95-2	Phenol	mg/kg	1 / 27	-- - 0.038	--	0.038	--
129-00-0	Pyrene	mg/kg	39 / 39	0.048 - 4.6	1.2	4.6	--
LMW PAHs	LMW PAHs ¹	mg/kg	38 / 39	0.032 - 4.5	0.79	4.5	--
HMW PAHs	HMW PAHs ²	mg/kg	39 / 39	0.31 - 27	6.5	27	--
Pesticides					mg/kg, dry weight	mg/kg, dry weight	
309-00-2	Aldrin	mg/kg	1 / 4	-- - 0.0014	--	0.0014	--
319-84-6	alpha-BHC	mg/kg	1 / 4	-- - 0.00069	--	0.00069	--
58-89-9	gamma-BHC	mg/kg	1 / 4	-- - 0.00024	--	0.00024	--
5103-71-9	alpha-Chlordane	mg/kg	3 / 4	0.0066 - 0.11	0.043	0.11	--
5103-74-2	gamma-Chlordane	mg/kg	1 / 2	-- - 0.12	0.000	0.12	--
60-57-1	Dieldrin	mg/kg	1 / 2	-- - 0.030	0.000	0.030	--
72-54-8	4,4'-DDD	mg/kg	2 / 4	0.0044 - 0.0047	0.0045	0.0047	--
72-55-9	4,4'-DDE	mg/kg	4 / 4	0.0028 - 0.036	0.027	0.036	--
50-29-3	4,4'-DDT	mg/kg	2 / 4	0.0039 - 0.073	0.038	0.073	--
	Total DDX ³	mg/kg	4 / 4	0.0067 - 0.11	0.048	0.11	--
959-98-8	alpha-Endosulfan	mg/kg	1 / 4	-- - 0.00093	--	0.00093	--
7421-93-4	Endrin aldehyde	mg/kg	1 / 2	-- - 0.0061	--	0.0061	--
76-44-8	Heptachlor	mg/kg	1 / 4	-- - 0.00037	--	0.00037	--
1024-57-3	Heptachlor epoxide	mg/kg	4 / 4	0.0011 - 0.032	0.014	0.032	--
72-43-5	Methoxychlor	mg/kg	1 / 4	-- - 0.0018	--	0.0018	--
Polychlorinated Biphenyls (PCB)					mg/kg, dry weight	mg/kg, dry weight	
11097-69-1	Aroclor 1254	mg/kg	40 / 54	0.017 - 3.4	0.22	3.4	--
11096-82-5	Aroclor 1260	mg/kg	32 / 54	0.0079 - 0.34	0.061	0.34	--
	Total PCBs ⁴	mg/kg	47 / 54	0.0079 - 3.7	0.24	3.7	5
Metals					mg/kg, dry weight	mg/kg, dry weight	
7429-90-5	Aluminum	mg/kg	39 / 39	6,590 - 36,900	16,216	36,900	--
7440-36-0	Antimony	mg/kg	7 / 27	0.18 - 1.7	0.62	1.7	--
7440-38-2	Arsenic	mg/kg	39 / 39	1.6 - 21	6.2	21	--
7440-39-3	Barium	mg/kg	39 / 39	32 - 326	141	326	--
7440-41-7	Beryllium	mg/kg	8 / 27	0.089 - 1.5	0.75	1.5	--
7440-43-9	Cadmium	mg/kg	30 / 39	0.14 - 5.6	1.0	5.6	--
7440-70-2	Calcium	mg/kg	65 / 66	173 - 8,010	2,574	8,010	--
7440-47-3	Chromium	mg/kg	39 / 39	10 - 128	32	128	--
7440-48-4	Cobalt	mg/kg	39 / 39	2.5 - 28	11	28	--
7440-50-8	Copper	mg/kg	39 / 39	11 - 136	50	136	--
7439-89-6	Iron	mg/kg	39 / 39	10,100 - 73,750	24,031	73,750	--
7439-92-1	Lead	mg/kg	39 / 39	16 - 286	99	286	--
7439-95-4	Magnesium	mg/kg	39 / 39	1,300 - 8,440	3,688	8,440	--
7439-96-5	Manganese	mg/kg	39 / 39	94 - 1,960	573	1,960	--
7439-97-6	Mercury	mg/kg	32 / 39	0.043 - 4.5	0.46	4.5	--
7440-02-0	Nickel	mg/kg	39 / 39	6.7 - 39	19	39	--
7440-09-7	Potassium	mg/kg	29 / 39	383 - 1,920	1,037	1,920	--
7782-49-2	Selenium	mg/kg	19 / 39	0.19 - 4.1	1.0	4.1	--
7440-22-4	Silver	mg/kg	26 / 39	0.61 - 5.0	1.9	5.0	--
7440-23-5	Sodium	mg/kg	22 / 27	117 - 794	235	794	--
7440-62-2	Vanadium	mg/kg	39 / 39	16 - 152	40	152	--
7440-66-6	Zinc	mg/kg	39 / 39	25 - 340	116	340	--
Other					mg/kg, dry weight	mg/kg, dry weight	
57-12-5	Cyanide	mg/kg	44 / 66	0.15 - 4.0	0.82	4.0	--

Notes:

- ¹ LMW PAHs is the sum of detected Naphtalene, Acenaphthene, Acenaphthylene, Anthracene, Fluorene and Phenanthrene concentrations within a given sample.
 - ² HMW PAHs is the sum of detected Benz[a]anthracene, Chrysene, Fluoranthene, Pyrene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Dibenz[a]anthracene, Benzo[ghi]perylene and Indeno[1,2,3-cd]pyrene concentrations within a given sample.
 - ³ Total DDX is the sum of detected 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT concentrations within a given sample.
 - ⁴ Total PCBs is the sum of detected Aroclor 1242, Aroclor 1254 and Aroclor 1260 concentrations within a given sample.
- Data sources are : 1998 Weston, 1999 EPA, 1999 NJDEP, 2000 Weston, 2001 Foster Wheeler, 2007/2009 TRC, 2007-2008 USEPA, 2011 OU4 Remedial Investigation. Analytical summary tables based on Risk Assessment exposure units. Exposure unit boundaries may differ from Feasibility Study Reach boundaries by up to 0.2 miles. The data presented in this table summarizes analytical results of samples collected between RM3.4 and RM-1.6.

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